

DEPARTMENT OF LAND AND NATURAL RESOURCES
Earthquake Damage Daily Report
Date: 11/28/06

Control #	Island	District	Facility Description	Project Description	County	Category	Other Comments	Latest Action Taken
01	Hawaii	North Kona	Recreational Facility (pier)	Kailua-Kona Pier - Structural assessment, design, and construction to repair earthquake damage to facility.	Hawaii	B		Assessment/Report/Estimate completed. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html Project in design phase.
02	Hawaii	South Kohala	Recreational Facility (pier)	North Kawaihae SBH - Structural assessment of facilities, design, and construction to repair earthquake damage to facility.	Hawaii	B		Assessment/Report/Estimate completed. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html
03	Hawaii	South Kohala	Recreational Facility (pier)	Has been combined with #02	Hawaii			
04	Hawaii	South Kona	Safety Zone	Buoys and moorings at Kealakekua Bay, in conjunction with State Parks rock fall assessment and safety measures	Hawaii	B		DOBOR to borrow temporary buoys from the Iron Man. Coast Guard approval of buoys. Placement occurred 11/3/06. Adjustments made 11/6/06.
05	Hawaii	Various	Various	Inspection of facilities, infrastructure, trails and lands for damages, public safety, signage and posting.	Hawaii	B		Initial Assessment completed. Initiated short term repairs as staff and funding permitted. Long-term repairs waiting pending additional funds.
06	Hawaii	North Kona	Recreational Facility (building)	Facilities Repair - Pu'u Wa'awa'a Cabin Damage - Repair of broken pipes.	Hawaii	E		Repair completed 10/20.
07	Hawaii	North Kona	Recreational Facility (building)	Facilities Repair - Honuaula Cabin water tank removal, Demolish water tank and dispose of debris.	Hawaii	E		Repair pending availability of field crew.
08	Hawaii	North Kohala	Recreational Facility (parking lot)	Pololu Parking Lot - level and repave parking lot, rebuild retaining wall.	Hawaii	G		HDOT has FINISHED road, parking lot-lookout repairs. HDOT to open road and parking lot on Friday 11/3/06. Need emergency funding to repair trail. Anticipate over 100 cars/weekend day visitation and estimated 50% use trail when open.
09	Hawaii	North Kohala	Recreational Facility (trail)	Pololu Trail - reroute trail, remove debris and scale slopes above trail.	Hawaii	G		Pololu Trail opened as of 11/22/06.
10	Hawaii	North Kohala	Recreational Facility (trail)	Kohala Ditch Trail - clearing landslide, restore trail grade, and replace 3 bridges.	Hawaii	G		Closed to public - waiting for additional funding for repairs.
11	Hawaii	North Kohala	Recreational Facility (trail)	Alakahakai Trail - reroute trail, signage, and monitor.	Hawaii	G		Closed to public - waiting for landslide to stabilize to remove debris and reroute.
12	Hawaii	North Kohala	Recreational Facility (trail)	Kapaloa Falls Trail - clearing landslide debris, restore trail grade, signage and scale area above trail and replace bridge.	Hawaii	G		Closed to public - waiting for additional funding for repairs.
13	Hawaii	Hamakua	Recreational Facility (trail/road)	Mauna Kea Hunting Road - clearing landslide debris from roadway.	Hawaii	C		Job is scheduled to be done and equipment removed before start of Bird Hunting Season on Saturday, Nov 4. Clearing is complete and area open to public.
14	Hawaii	North Kohala	Recreational Facility (trail)	White Road Trail - clearing landslide debris, restore trail grade, scale slide area and replace signage.	Hawaii	G		Closed to public - waiting for additional funding for repairs.
15	Hawaii	North Kona	Drainage	Honuaula Forest Reserve - clearing collapsed Rockwall debris from boundary and restoring drainage.	Hawaii	A		Waiting for availability of equipment.
16	Hawaii	North Kona	Reservoir	Waikoloa Reservoir 1&2. Staff responded to provide assistance to command post for draining reservoirs.	Hawaii	B		No further action required of DOFAW.
17	Hawaii	North Kohala	Recreational Facility (trail)	Muliwai Trail - assessment and debris removal and monitor.	Hawaii	G		closed to public - waiting for landslide to stabilize to remove debris. Inspecting on Nov.22,2006.

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18	Hawaii	North Kohala	FEMA Operations Center	Assist with obtaining use of Waimea Hunter Ed building for FEMA operations center.	Hawaii	G		DOFAW Waimea Staff assisted FEMA.
19	Hawaii	Hamakua	Stream	Waipio Valley - landslide has partially blocked streams in the Waipio, Pololu and Waimanu Valleys. DOFAW assisting Hawaii County Civil Defense in assessment and possible debris clearing procedures as needed. Site under monitoring by Hawaii County Civil Defense.	Hawaii	B		DLNR Staff coordinating with Hawaii County Civil Defense to provide assessment and response if conditions warrant. Assessment with SCD shows that area no longer poses a threat of danger.
20	Hawaii	Hamakua	Recreational Facility (building)	Minor repairs to Keanakolu Cabins.	Hawaii	E		Carpenter and helper repair pipes and foundation. Will repair tank and toilet pipes later.
21	Hawaii	Kona	Historic rock wall	Kuakini Wall	Hawaii	G		Assessing if rebuilding is possible or desirable
22	Hawaii	Hawaii	Historic & Cultural Sites	Initial assessment with a possible Joint FEMA/ State Civil Defense re-assessment required	Hawaii	G		
23	Hawaii	South Kona	Kealahou Bay	Rock fall assessment, signage, safety measures, etc.	Hawaii	G		Recommend creation of a water safety zone to keep swimmers/boaters away from the rock fall zone. 10/26 DLNR issued an order that creates ocean and land safety zones within Kealahou Bay that will be closed to the public. The order closes public access to the Pali and Ka'awaloa flat land sections within the Kealahou Bay State Historical Park, until DLNR determines that the closed ocean waters and land may be safely reopened for public use. Geologists recommend keeping Ka'awaloa Flat closed for 1 month or until the threat of aftershocks has passed. DLNR toured with FEMA on Mon. 11/13/06
24	Hawaii	South Kona	Kealahou Bay	Cliff face restoration	Hawaii	G		DLNR toured with FEMA on Mon. 11/13/06
25	Hawaii	South Kona	Kealahou Bay	Rock Fall mitigation, slope stabilization, for safety of public use in area.	Hawaii	B or G	Need rock fall contractor formal evaluation.	Mitigation measure(s) to be determined, cost estimate may be reduced considerably if recommended alternative of doing nothing is adopted. DLNR toured with FEMA on Mon. 11/13/06
26	Hawaii	North Kona	Hulihe'e Palace	Historic Site.	Hawaii	G	Palace closed for safety due to lack of structural integrity of the building.	Cost estimate from David Scott, Daughters of Hawaii structural engineering report. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html . DLNR toured with FEMA on Mon. 11/13/06
27	Hawaii	East Hawaii	Recreational Facility	Chimney in the dining pavilion has sustained some damage.	Hawaii	G	Dining pavilion services all the cabins at Kalopa.	Evaluation of the damage and quote to repair pending.
28	Hawaii	South Kohala	Hapuna Beach Park	Hapuna Beach State Recreation Area. A- Frame Shelter repair, Beach Park comfort station wall, electrical, roof, concession building, and pavilions.	Hawaii	G	Pavilions to be evaluated, light damage.	Pavilions to be reinspected due to evidence of spalling concrete. Contractors to be hired. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html . Site visit with FEMA/SCD 11/21/06
29	Hawaii	North Kohala	Kamehameha Birthsite & Mookini Heiau	Kohala Historical Sites State Monument - Kamehameha Birthsite rock wall restoration and Mookini Heiau restoration	Hawaii	G	Follow historical consultation process. Received consultant report on both Kamehameha Birthsite and Mo'okini Heiau.	DLNR SP archeologists informed and to begin appropriate process. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html Site visit with DLNR, SCD, and FEMA on Wed. Nov. 22.
30	Hawaii	North Kohala	Lapakahi	Lapakahi State Historical Park - Rock wall restoration	Hawaii	G	Follow historical consultation process.	A volunteer group has proposed to help. DLNR SP archeologists informed and to begin appropriate process. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html . Site visit with FEMA/SCD 11/21/06

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31	Oahu	Honolulu	Iolani Palace and related buildings	Historic Structure, Old Archives, Iolani Palace, Iolani Barracks	Honolulu	G	DAGS assisted FEMA in inspecting Iolani Palace, Old Archives, & Iolani Barracks.	Cost estimates have been taken from FEMA preliminary damage assessment site estimate.
32	Kauai	Hanalei	Recreational Facility (trail)	Trail survey.	Kauai	G		No damage, trail was temporarily closed for survey to ensure public safety for hikers.
33	Maui	South Shore	Makena	Puu Olai Landslide, Big Beach, Black Sand Beach	Maui	G	Black Sand Beach and Puu Olai closed.	Area closed. Aerial and land surveys occurred Fri. 10-27, awaiting formal report. Black Beach side prone to cinder slides that may continue. Big Beach side may require hydraulic or scaling intervention. Signage is in place. Report available at http://www.hawaii.gov/dlnr/reports/earthquake/index.html
34	Oahu	Honolulu	Landslide	Landslide damage in Makiki and estimated cost associated to take corrective action.	Honolulu	B	TMK(1)-2-46-2:33	Working with Board of Water Supply (Pipe found located under cinder slide). Consultant is on board and currently assessing the damages and plans for corrective actions.
35	Statewide	_	-	DOCARE staff time - OT, Oahu, Maui, Hawaii.	Statewide	B		
36	Statewide	-	-	Initial General Assessments of Earthquake Damages and Inspection of Trail closures and Public Safety, Staff Time on Maui, Oahu, and Hawaii.	Statewide	B		
37	Statewide	-	-	Statewide dam inspections- all Islands.	Statewide	B		Inspection Completed/funded under FEMA Tech. Assistance Mission. Reviewing findings and transmitting reports to owners.
38	Statewide	-	-	Statewide emergency dam safety inspections.	Statewide	B		Inspection Completed. Reviewing findings.
39	Statewide	-	-	Statewide emergency dam safety inspections DLNR staff costs includes OT/Per diem/Travel expenses.	Statewide	B		
40	Statewide	-	-	Statewide emergency dam safety inspections - Private consultants.	Statewide	B		One contract completed.
41	Hawaii	North Kona	Recreational Facility (pier)	Design for Kailua Kona Pier	Hawaii	G		
				Total				

Description

- Debris removal
- Emergency Protective Measures
- Roads and Bridges
- Water Control Facilities
- Buildings and Equipment
- Utilities
- Other - Parks, Recreational Facilities, etc.

Control Number - Will be the number used by SCD and FEMA to identify DLNR project # _ . New projects (40 +) will follow in order and therefore may not be arranged by county and then division.